INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/40665

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01N 7/00, 30/96, 27/00, 21/00, 19/10, 21/71; G12B 13/00 US CL : 73/1.01, 1.02, 1.06, 23.2; 422/83, 88, 98; 436/ 149, 153 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 73/1.01, 1.02, 1.06, 23.2; 422/83, 88, 98; 436/ 149, 153				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched EAST				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ar		ant passages	Relevant to claim No.
Α .	US 6,303,094 B1 (KUSUNOKI et al.) 16 OCTOBER 2001.			1-20
A	US 6,278,231 B1 (IWASAKI et al.) 21 AUGUST 2001.			1-30
A	US 6,361,861 B2 (GAO et al.) 26 MARCH 2002.			1-30
A ·	US 6,445,006 B1 (BRANDES et al.) 03 SEPTEMBER 2002.			1-30
Further	documents are listed in the continuation of Box C.	See patent	family annex.	
* S ₁	pecial categories of cited documents:			rnational filing date or priority ation but cited to understand the
"A" document defining the general state of the art which is not considered to be of particular relevance		principle or the	neory underlying the inve	ention
"E" earlier app	plication or patent published on or after the international filing date	considered no		claimed invention cannot be red to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of p	· · · · · · · · · · · · · · ·	
"O" document referring to an oral disclosure, use, exhibition or other means			s to a person skilled in the	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report 07 JUN 2004		
	(25.05.2004) ailing address of the ISA/US	Authorized officer	70,0	VII EUU #
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450		Jill A. Warden J. Ushudhuld		
	xandria, Virginia 22313-1450 (703) 305-3230	Telephone No. (571)) 4/&J/(U	7-

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